

What is Claimed is:

- 1 1. An armature for a receiver, comprising:
2 a first leg portion having a thickness and a width;
3 a second leg portion spaced apart from the first leg portion; and
4 a connection portion to flexibly couple the first leg portion with the
5 second leg portion, wherein the connection portion includes a reduced thickness
6 portion having a thickness less than the thickness of the first leg portion, and wherein
7 a width of the connection portion is greater than the width of the first leg portion.
- 1 2. An armature as defined in claim 1, wherein at least a portion of
2 the first leg portion is at an angle to at least a portion of the connection portion.
- 1 3. An armature as defined in claim 1, wherein at least a portion of
2 the first leg portion is parallel with at least a portion of the second leg portion.
- 1 4. An armature as defined in claim 1, wherein the connection
2 portion is integral with the first leg portion and the second leg portion.
- 1 5. An armature as defined in claim 1, wherein the second leg
2 portion comprises a first sub-leg and a second sub-leg, the first sub-leg spaced apart
3 from the second sub-leg.
- 1 6. An armature as defined in claim 5, wherein a width of the first
2 sub-leg is less than a width of the connection portion and wherein a width of the
3 second sub-leg is less than the width of the connection portion.
- 1 7. An armature as defined in claim 5, wherein at least a portion of
2 the first sub-leg has a width at least a width of the connection portion, and wherein at
3 least a portion of the second sub-leg has a width at least the width of the connection
4 portion.

1 8. An armature as defined in claim 1, wherein the reduced
2 thickness portion comprises a plurality of connection legs, wherein at least one of the
3 connection legs is separate from at least another of the connection legs.

1 9. An armature as defined in claim 8, wherein the connection
2 portion further comprises:
3 a first region separate from at least some of the plurality of connection
4 legs, the first region connected to one of the first leg portion and the second leg
5 portion, and separate from the other of the first leg portion and the second leg portion;
6 a second region connected to the other of the first leg portion and the
7 second leg portion; and
8 a cover portion spaced apart from the first region and overlapping with
9 the first region, the cover portion overlapping with the second region.

1 10. An armature as defined in claim 1, wherein a width of the
2 second leg portion is less than the width of the connection portion.

1 11. An armature as defined in claim 1, wherein a width of at least a
2 portion of the second leg portion is at least the width of the connection portion.

1 12. An armature as defined in claim 11, wherein a minimum width
2 of the second leg portion is at least the width of the connection portion.

1 13. An armature as defined in claim 11, wherein the thickness of
2 the connection portion is 30% to 90% of the thickness of the first leg portion.

1 14. An armature as defined in claim 11, wherein the width of the
2 first leg portion is 30% to 90% of the width of the connection portion.

1 15. An armature as defined in claim 1, wherein the first leg portion
2 is configured to be disposed within a coil of the receiver.

1 16. An armature for a receiver, comprising:
2 a first leg portion having a thickness and a width;
3 a second leg portion spaced apart from the first leg portion;
4 a third leg portion spaced apart from the first leg portion; and
5 a connection portion to flexibly couple the first leg portion with the
6 second leg portion and with the third leg portion, the connection portion having a
7 reduced thickness portion having a thickness less than the thickness of the first leg
8 portion, wherein a width of the connection portion is greater than the width of the first
9 leg portion.

1 17. An armature as defined in claim 16, wherein at least a portion
2 of the second leg portion is at an angle with at least a portion of the third leg portion.

1 18. An armature as defined in claim 17, wherein at least a portion
2 of the second leg portion is parallel with at least a portion of the third leg portion.

1 19. An armature as defined in claim 16, wherein the connection
2 portion is integral with the first leg portion.

1 20. An armature as defined in claim 19, wherein the connection
2 portion is integral with the second and third leg portions.

1 21. An armature as defined in claim 16, wherein the second leg
2 portion is connected to the third leg portion.

1 22. An armature as defined in claim 16, wherein a width of the
2 second leg portion is less than the width of the connection portion.

1 23. An armature as defined in claim 16, wherein a width of the
2 third leg portion is less than the width of the connection portion.

1 24. An armature as defined in claim 16, wherein at least a portion
2 of the second leg portion has a width at least the width of the connection portion.

1 25. An armature as defined in claim 24, wherein a minimum width
2 of the second leg portion is at least the width of the connection portion.

1 26. An armature as defined in claim 16, wherein at least a portion
2 of the third leg portion has a width at least the width of the connection portion.

1 27. An armature as defined in claim 26, wherein a minimum width
2 of the third leg portion is at least the width of the connection portion.

1 28. An armature as defined in claim 26, wherein the thickness of
2 the connection portion is 30% to 90% of the thickness of the first leg portion.

1 29. An armature as defined in claim 26, wherein the width of the
2 first leg portion is 30% to 90% of the width of the connection portion.

1 30. An armature as defined in claim 16, wherein the first leg
2 portion is configured to be disposed within a coil of the receiver.

1 31. An armature for a receiver, comprising:
2 a first leg portion;
3 a second leg portion spaced apart from the first leg portion;
4 a first connection segment connected to the first leg portion;
5 a second connection segment in magnetic communication with the
6 second leg portion, wherein at least a portion of the second connection segment is
7 spaced apart from, and overlaps with, at least a portion of the first connection
8 segment; and
9 a plurality of connection legs to flexibly couple the first leg portion to
10 the second leg portion, wherein at least one of the connection legs is spaced apart
11 from at least another of the connection legs.

1 32. An armature as defined in claim 31, wherein the second
2 connection segment is connected to the second leg portion.

1 33. An armature as defined in claim 32, wherein the second
2 connection segment is integral with the second leg portion.

1 34. An armature as defined in claim 31, wherein the second
2 connection segment is spaced apart from the second leg portion.

1 35. An armature as defined in claim 31, wherein the plurality of
2 connection legs are integral with the first connection segment.

1 36. An armature as defined in claim 35, wherein the plurality of
2 connection legs are integral with the second leg portion.

1 37. An armature as defined in claim 31, wherein the plurality of
2 connection legs are connected to the second connection segment.

1 38. An armature as defined in claim 31, wherein a thickness of at
2 least one of the connection legs is less than a thickness of the first leg portion.

- 1 39. An armature as defined in claim 31, wherein thicknesses of the
2 plurality of connection legs are at least a thickness of the first leg portion.